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## Memorandum

**From:** Steve Willis  
**To:** Wayne Miller  
**Date:** June 15, 2016  
**Subject:** Site visit to observe EBR well drilling activities at Former Williams AFB Site ST012.

Wayne:

This memo summarizes my visit to Site ST012 conducted on June 15, 2016.

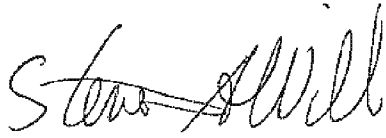
I arrived at the site at approximately 2:00 pm. Drilling of wells UWBZ36 and CZ22/UWBZ35 was complete and both wells were being constructed.

- UWBZ36 screened interval is 170'-190'.
- CZ22/UWBZ35. The boring was drilled to 186'. I checked the remaining cuttings for evidence of contamination and discussed findings with Kyle Keegan. Hydrocarbon odors were first noted at about 170'. A PID reading measured 1,700 ppm and a positive dye test was recorded. I checked the dye test, but could not confirm the positive result because the plastic container was cracked and much of the oil/water mixture had leaked out (see attached photo). Odors and PID readings both decreased below 170'. At 178' the PID reading was 300 ppm and at 186' it was 3 ppm. I confirmed no hydrocarbon odors below 180'. The well was screened in the Cobble Zone at 143'-158' and in the UWBZ at 168'-183'.

I asked Kyle about the schedule for the remaining well east of Sossaman Rd. He said they are still planning to start drilling on Friday night, but the airport only wants them to drill between 9 pm and 4 am. He didn't think the shortened hours were reasonable, and would result in at least one extra day of drilling, but AMEC is still negotiating the hours with the airport. Kyle also stated there is some discussion among AMEC managers as to whether they think an additional well is necessary based on results of the two newly installed wells in that area.

Please contact me if you have comments or questions regarding this memo.

Thank you,

A handwritten signature in black ink, appearing to read "Steven A. Will". The signature is written in a cursive style with a horizontal line crossing through the middle of the name.

## **SITE PHOTOS**



Photo 1. CZ22/UWBZ35. Dye test kit in cuttings at 170'. Test kit container was broken, so positive result could not be confirmed.